

SECRET

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PHOTOGRAPHIC INTERPRETATION REPORT



GLASS LAMP MISSION 8118
2 SEPTEMBER 1966

NPIC/R-311/66
SEPTEMBER 1966

Declass Review By NIMA/DOD

GROUP 1 EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

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WARNING

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GL MISSION 8118, 2 SEPT 66

R-311/66

PREFACE

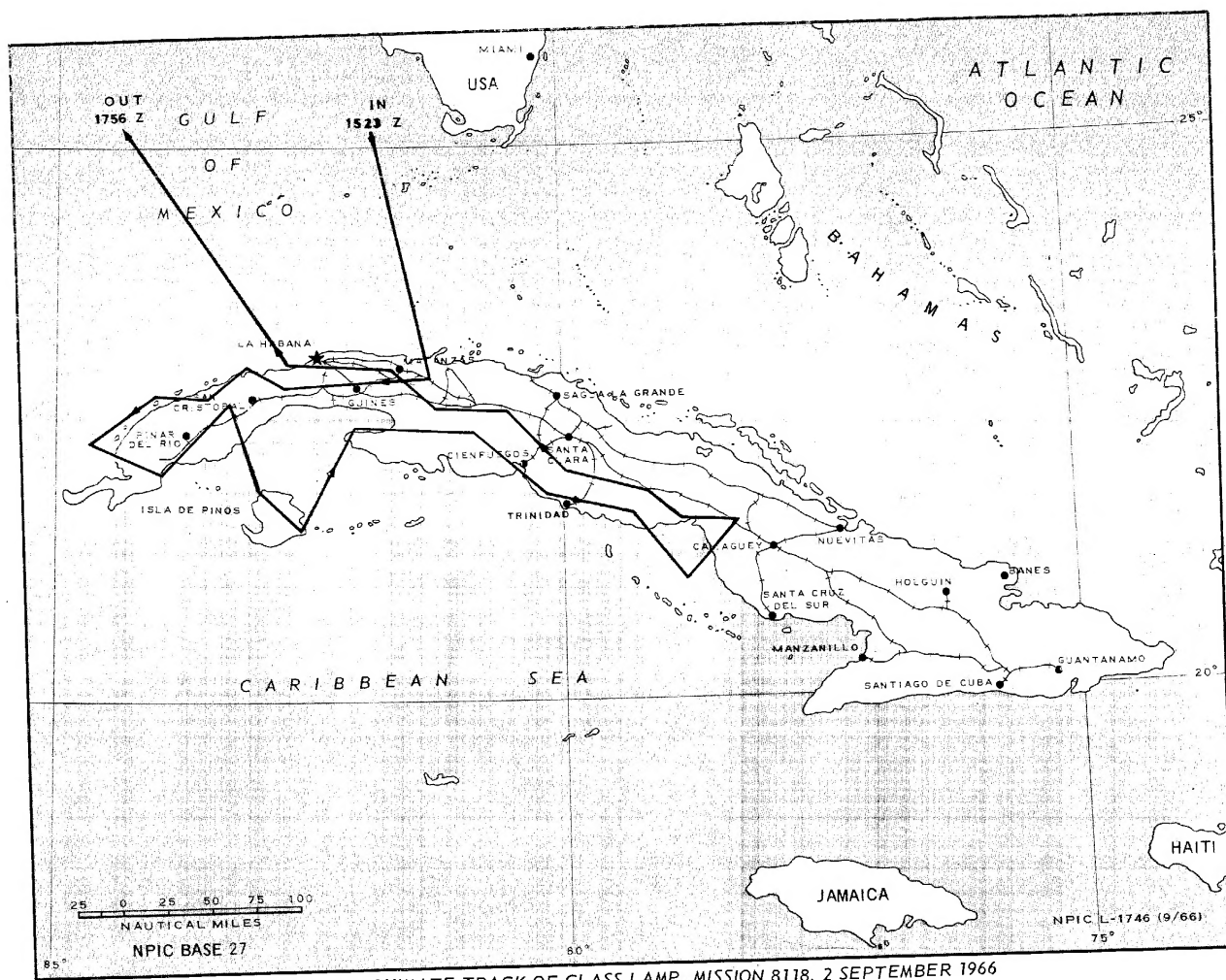
THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION 8118, 2 SEP 66. THE NUMBER AT THE RIGHT MARGIN OF THE HEADER LINE IS THE COMOR TARGET NUMBER.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON PHOTOGRAPHY ARE AS FOLLOWS--
C (CLEAR), SC (SCATTERED CLOUD COVER), HC (HEAVY CLOUD COVER), H (HAZE), CS (CLOUD SHADOW), SD (SEMIDARKNESS), GC (GROUND COVER), CF (CAMOUFLAGE), O (OBLIQUITY), AND GR (GROUND RESOLUTION).

INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G (GOOD), F (FAIR), OR P (POOR). THE EXTENT OF TARGET COVERAGE IS DENOTED BY THE SYMBOLS T (TOTAL) OR PT (PARTIAL). THE MODE OF COVERAGE IS SIGNIFIED BY ST (STEREO), NS (NONSTEREO), OR PS (PARTIAL STEREO).

AAA DEFENSES ARE DIVIDED INTO THREE BASIC CATEGORIES -- LIGHT (2PU-2, 2PU-4, AND 37MM), MEDIUM (57MM AND 85MM), AND HEAVY (100MM AND LARGER). WHERE SUCH A CATEGORY CANNOT BE DETERMINED, THE SITE WILL BE LISTED AS AN AAA SITE AND THE NUMBER OF GUNS INDICATED (EXAMPLE 6-GUN AAA SITE, OCCUPIED/UNOCCUPIED).

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25X1A

MISSILES

CAMPO FLORIDO SAM SITE A07-2

CU 2309N 08202W

OB -- 6 EMPLACED LAUNCHERS AND AN OCCUPIED GUIDANCE AREA OBSERVED. SCATTERED CLOUDS AND OBLIQUITY LIMIT INTERPRETATION.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D

GUARA SAM SITE A29-2

CU 2248N 08213W

PERMANENT SITE IS NEARING COMPLETION.
OB (AT ADJACENT TEMPORARY SITE) -- 5 EMPLACED LAUNCHERS (2 WITH MISSILES), 7 MISSILE TRANSPORTERS, AND A GUIDANCE RADAR WITH 9 ASSOCIATED VANS.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D

LA CACHIMBA SAM SITE A12-2

CU 2245N 08227W

PERMANENT SITE IS COMPLETED AND OCCUPIED. TEMPORARY SITE IS VACATED. PERMANENT SITE CONTAINS 6 REVETTED LAUNCH POSITIONS, A REVETTED CENTRAL GUIDANCE AREA, AND 3 REVETTED MISSILE-HOLD POSITIONS. SUPPORT FACILITY CONSISTS OF 10 BUILDINGS.
OB -- 6 EMPLACED MISSILE LAUNCHERS, A GUIDANCE RADAR WITH 7 ASSOCIATED VANS, 11 MISSILE TRANSPORTERS (7 CANVAS-COVERED AND 1 WITH EXPOSED MISSILE), 12 TRACKED PRIME MOVERS, AND 10 OTHER VEHICLES/PIECES OF EQUIPMENT.
ACTIVITY -- 2 OCCUPIED 3-GUN LIGHT AAA SITES.

25X1D

LA SALUD SAM SITE A04-2

CU 2253N 08224W

PERMANENT SITE APPEARS COMPLETE BUT THE SUPPORT AREA REMAINS UNDER CONSTRUCTION.
OB (AT ADJACENT TEMPORARY SITE) -- 6 EMPLACED LAUNCHERS (3 WITH MISSILES), 9 MISSILE TRANSPORTERS, AND AN OCCUPIED GUIDANCE AREA.
NO APPARENT CHANGE IN LAUNCH FACILITIES.

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25X1D

25X1A

MANAGUA SAM SITE A05-2

CU 2259N 08215W

OB -- 6 EMPLACED LAUNCHERS, 13 MISSILE TRANSPORTERS (11 CANVAS COVERED AND 2 WITH EXPOSED MISSILES), AND A GUIDANCE RADAR WITH 6 ASSOCIATED VANS.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D

RANCHUELO SAM SITE A33-2

CU 2223N 08010W

ORIGINAL SITE REMAINS VACATED AND THE CENTRAL GUIDANCE AREA REMAINS UNDER CONSTRUCTION.
OB (AT ADJACENT TEMPORARY SITE) -- 6 EMPLACED LAUNCHERS (3 WITH MISSILES), 11 MISSILE TRANSPORTERS (10 CANVAS-COVERED AND 1 WITH EXPOSED MISSILE), A GUIDANCE AREA WITH 6 ASSOCIATED VAN TRAILERS, AND 5 OTHER VAN TRAILERS.
ACTIVITY -- 1 OCCUPIED LIGHT 6-GUN AAA SITE.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D

TORRENS SAM ASSEMBLY AREA

CU 2257N 08227W

OB -- 10 PROBABLE MISSILE TRANSPORTERS, NUMEROUS MISSILE CANISTERS, AND AT LEAST 30 VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

25X1D

SANTA ISABEL DE LAS LAJAS SAM SITE A35-2 CU 2228N 08018W

PERMANENT SITE REMAINS UNDER CONSTRUCTION.
OB (AT PERMANENT SITE) -- 9 MISSILE TRANSPORTERS AND 3 OTHER VEHICLES.
OB (AT ADJACENT TEMPORARY SITE) -- 6 EMPLACED LAUNCHERS (1 WITH MISSILE) AND A GUIDANCE RADAR WITH 6 ASSOCIATED VAN TRAILERS.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

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25X1D



25X1A

LA CATALINA SAM SITE A34-2

CU 2258N 08200W

OB -- 6 EMPLACED LAUNCHERS, 7 MISSILE TRANSPORTERS, A GUIDANCE RADAR WITH 6 ASSOCIATED VANS, AND 12 OTHER VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D



SANTIAGO DE LAS VEGAS SAM ASSEMBLY AREA CU 2257N 08221W

OB -- AT LEAST 8 PROBABLE MISSILE TRANSPORTERS, AT LEAST 10 VEHICLES/PIECES OF EQUIPMENT, AND NUMEROUS PROBABLE MISSILE CANISTERS.
NO APPARENT CHANGE IN FACILITIES.

25X1D

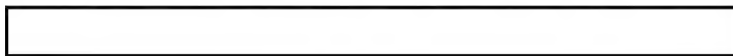


CONSTANCIA SAM SITE A10-2

CU 2214N 08030W

TEMPORARY SITE REMAINS VACATED AND REPORTING WILL BE LIMITED TO PERMANENT SITE.
OB -- 6 EMPLACED LAUNCHERS, 14 MISSILE TRANSPORTERS (2 WITH EXPOSED MISSILE IN HOLD REVETMENT), AN OCCUPIED GUIDANCE REVETMENT WITH RADAR AND ASSOCIATED EQUIPMENT, AND 3 OTHER VEHICLES.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D



SANTA CRUZ DEL NORTE CRUISE-MISSILE SITE CU 2309N 08156W

OB -- 2 EMPLACED LAUNCHERS, 9 CRUISE-MISSILE TRANSPORTERS, 10 CRUISE-MISSILE CRATES, AN OCCUPIED GUIDANCE AREA, AND 10 OTHER VEHICLES OBSERVED.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D



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SAN JOSE DE LAS LAJAS CRUISE-MSL STORAGE CU 2255N 08210W

OB -- 16 CRUISE-MISSILE TRANSPORTER-LAUNCHERS, 10
CRUISE-MISSILE-ASSOCIATED VEHICLES, 65 CRUISE-MISSILE
CRATES, AND AT LEAST 90 OTHER VEHICLES.
NO APPARENT CHANGE IN FACILITIES.

25X1D

GUANAJAY CRUISE-MISSILE SITE

CU 2256N 08239W

LAUNCH SITE IS CLOUD-COVERED.
OB -- 8 VEHICLES/PIECES OF EQUIPMENT.

25X1D

AIR FACILITIES

CAMAGUEY INTERNATIONAL AIRFIELD

CU 2125N 07750W

OB -- 1 C-47 AND 1 PROBABLE C-46.

25X1D

SIGUANEA AIRFIELD

CU 2138N 08257W

OB -- NONE OBSERVED.

25X1D

CORONEL PASCUAL AIRFIELD

CU 2307N 08117W

OB -- NONE OBSERVED.

25X1D

SAN ANTONIO DE LOS BANOS AIRFIELD

CU 2252N 08230W

OB -- 15 FISHBED, 10 FARMER (1 IN BARRACKS AREA), AND
16 FAGOT/FRESCO (1 IN BARRACKS AREA).

25X1D

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SAN JULIAN AIRFIELD

CU 2205N 08409W

OB -- 4 FAGOT/FRESCO (1 DERELICT), 3 CRATE, 4 COLT, 4 PROBABLE CREEK, 20 ZLIN TRENER (1 DERELICT), 1 MORAVA L-200, AND 1 HOUND.

25X1D

JOSE MARTI INTERNATIONAL AIRFIELD

CU 2259N 08224W

OB (OPERATIONS AREA) -- 2 CLEAT, 3 BRITANNIA, 1 COOT, 4 COKE, 5 CRATE, 3 C-47, AND 1 LIAISON.
OB (MAINTENANCE AREA) -- 7 CRATE, 2 C-47, AND 3 MORAVA L-200.
OB (GRAVEYARD AREA) -- NONE.

25X1D

CAMPO LIBERTAD AIRFIELD

CU 2305N 08226W

OB -- 2 COKE (1 WITHOUT WINGS), 2 ZLIN-TRENER, AND 30 HOUND (6 WITHOUT ROTORS).

25X1D

PLAYA BARACOA AIRFIELD

CU 2302N 08234W

OB -- 1 CRATE, 1 CAB, AND 3 PROBABLE COLT.

25X1D

COLONEL MARTIN MARRERRO AIRFIELD

CU 2150N 08246W

OB -- 1 COLT AND 1 LIAISON.

25X1D

JAIME GONZALES AIRFIELD

CU 2209N 08024W

OB -- 1 COOT WITHOUT OUTER WING SECTIONS.

25X1D

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25X1A

NAVAL ACTIVITY/PORTS

MARIEL NAVAL BASE AND NAVAL AIR STATION CU 2259N 08244W

OB -- 1 PF, 3 PROBABLE KRONSTADT-CLASS PC, 5 PROBABLE
S.O.1-CLASS SC, AND 1 YP.

25X1D

[REDACTED]

CABANAS NAVAL BASE

CU 2258N 08258W

OB -- 9 KOMAR-CLASS PTG (1 AT SEA).

25X1D

[REDACTED]

SIGUANEA NAVAL BASE

CU 2136N 08258W

OB -- 1 YP.

25X1D

[REDACTED]

CIENFUEGOS NAVAL BASE

CU 2208N 08027W

OB -- 2 KRONSTADT-CLASS PC, 9 P-6-CLASS PT (1 ON
MARINE RAILWAY), AND 4 YP (2 ON MARINE RAILWAY).
OTHER VESSELS -- 1 COASTAL FREIGHTER ON MARINE RAILWAY.

25X1D

[REDACTED]

NUEVA GERONA PORT

CU 2153N 08248W

OB -- NONE OBSERVED.

25X1D

[REDACTED]

CARDENAS PORT

CU 2302N 08111W

VESSELS -- NONE OBSERVED.

25X1D

[REDACTED]

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CASILDA PORT

CU 2145N 07959W

VESSELS -- NONE OBSERVED.

25X1D

MATANZAS PORT

CU 2302N 08134W

VESSELS -- 1 LARGE FREIGHTER.

25X1D

SURGIDERO DE BATABANO PORT

CU 2241N 08217W

VESSELS -- NONE OBSERVED.

25X1D

LA HABANA PORT FACILITIES

CU 2307N 08220W

OB -- NONE DISCERNIBLE.
OTHER VESSELS -- 3 LARGE FREIGHTERS, 2 LARGE PROBABLE
TANKERS, 4 COASTAL FREIGHTERS, AND 3 PROBABLE TRAWLERS
OBSERVED IN CLOUD-FREE AREAS.

25X1D

BAHIA HONDA PORT

CU 2255N 08310W

VESSELS -- NONE OBSERVED.

25X1D

ELECTRONICS/COMMUNICATIONS

SAN JULIAN EW/GCI RADAR SITE

CU 2206N 08409W

OB -- 1 BAR LOCK, 1 PROBABLE ROCK CAKE/STONE CAKE, AND
1 PROBABLE FLAT FACE RADAR.
ACTIVITY -- 7 VAN TRUCKS AND 4 VAN TRAILERS.

25X1D

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ANTON RECIO MILITARY INSTALLATION

CU 2211N 08036W

OB -- 1 CARGO TRUCK.
NO APPARENT CHANGE IN FACILITIES.

25X1D

BAJURAYABO MILITARY CAMP

CU 2308N 08210W

OB -- 4 FA PIECES AND 13 PROBABLE CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1D

CAMPO FLORIDO MILITARY CAMP EAST

CU 2307N 08206W

OB -- AT LEAST 20 VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

25X1D

CAMPO FLORIDO MILITARY CAMP WSW

CU 2306N 08211W

OB -- 14 PROBABLE FA PIECES AND AT LEAST 25
VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

25X1D

CANTEL MILITARY CAMP

CU 2302N 08119W

OB -- NONE OBSERVED.
NO APPARENT CHANGE IN FACILITIES.

25X1D

GUANABACOA MILITARY AREA

CU 2307N 08215W

OB -- AT LEAST 20 VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

25X1D

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GUANAJAY MILITARY CAMP MARTIN MESA

CU 2257N 08243W

OB -- AT LEAST 20 FA PIECES, AT LEAST 18 PROBABLE
MORTARS, 14 AAA PIECES, AT LEAST 80 CARGO TRUCKS, AND
10 VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

25X1D

JURAGUA MILITARY ACTIVITY

CU 2209N 08035W

OB -- 6 PROBABLE FA PIECES.
NO APPARENT CHANGE IN FACILITIES.

25X1D

LA FLORA MILITARY CAMP

CU 2252N 08233W

OB -- 55 CANVAS-COVERED PROBABLE BTR 60-P, 6 BRDM APC,
40 FA PIECES, 11 MORTARS, AND AT LEAST 110 CARGO
TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1D

LIMONAR TANK TRAINING AREA

CU 2254N 08121W

OB -- 20 TANKS/SP GUNS AND 8 OTHER VEHICLES.
NO APPARENT CHANGE IN FACILITIES.

25X1D

MANAGUA MILITARY CAMP

CU 2258N 08217W

OB -- 12 SA-2 MISSILE TRANSPORTERS, 14 PROBABLE
TANKS/SP GUNS, 15 TRACKED PRIME MOVERS, 3 WHEELED PRIME
MOVERS, AT LEAST 30 CARGO TRUCKS, 2 TRUCK-MOUNTED
CRANES, 7 FLATBED TRAILERS, AND NUMEROUS
VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

25X1D

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MINAS MILITARY CAMP JESUS MARIA FINCA CU 2306N 08211W

OB -- AT LEAST 10 PROBABLE CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1D

NAZARENO MILITARY CAMP

CU 2257N 08213W

OB -- 11 TANKS/SP GUNS, 37 BTR 60-P, 4 PROBABLE BRDM
APC, AND 13 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1D

SAN ANTONIO DE LOS BANOS MILITARY CAMP CU 2254N 08229W

OB -- AT LEAST 30 VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

25X1D

CIENFUEGOS MILITARY ACTIVITY

CU 2209N 08027W

OB -- 16 FA PIECES AND 16 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1D

ALQUIZAR MILITARY ACTIVITY

CU 2251N 08234W

OB -- 32 TANKS/SP GUNS, 1 TRACKED VEHICLE, 8 CARGO
TRUCKS, AND 4 OTHER VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

25X1D

CONDADO PROBABLE MILITARY INSTALLATION CU 2152N 07951W

OB -- 12 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1D

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TARARA LANDING BEACH

CU 2310N 08211W

NO NEW MILITARY ACTIVITY OBSERVED.

25X1D

CIENFUEGOS LANDING BEACH

CU 2202N 08036W

NO NEW MILITARY ACTIVITY OBSERVED.

25X1D

ENSENADA COLORADO LANDING BEACH

CU 2202N 08025W

NO NEW MILITARY ACTIVITY OBSERVED.

25X1D

ENSENADA DE PLAYUELAS LANDING BEACH

CU 2246N 08349W

NO MILITARY ACTIVITY OBSERVED.

25X1D

PENINSULA DE HICACOS LANDING BEACH

CU 2311N 08130W

NO NEW MILITARY ACTIVITY OBSERVED.

25X1D

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-STATUS OF OTHER TARGETS-

THE FOLLOWING TARGETS SHOW NO APPARENT CHANGE SINCE LAST COVERAGE--

BEJUCAL INTL BROADCASTING FACILITY	2253N 08220W
SAN ANTONIO DE LOS BANOS EW/GCI SITE 2	2253N 08230W
BAHIA HONDA EW/GCI RADAR SITE	2258N 08311W
CABANAS LOW SIEVE RADAR SITE	2259N 08259W
VARADERO LOW SIEVE RADAR SITE	2311N 08108W
RANCHO LUNA LOW SIEVE RADAR SITE	2202N 08025W
SANTA CRUZ DEL NORTE RADAR SITE	2308N 08155W
CEIBA MOCHA MILITARY AREA	2257N 08142W

LIMONAR MILITARY CAMP SE	2255N 08124W
SPECIAL AREA WHITE	2254N 08232W
SPECIAL AREA PURPLE	2254N 08228W
MATANZAS LANDING BEACH	2301N 08126W

THE FOLLOWING TARGETS COULD BE IDENTIFIED BUT NOT INTERPRETED--

MARIEL SAM SITE 2 A30-2	2300N 08248W
PUNTA BRAVA SAM SITE A30-2	2301N 08231W
SANTA CLARA SAM SITE A34-2	2229N 08000W
SIGUANEA CRUISE-MISSILE SITE	2137N 08258W
GUANABO CRUISE-MISSILE SITE	2309N 08203W
CAMILO CIENFUEGOS AIRFIELD	2229N 07956W
SANTA CLARA EW/GCI RADAR SITE	2229N 07956W
LA HABANA RADAR SITE COJIMAR	2308N 08219W
LA HABANA RADAR SITE EL MORRO NO 1	2309N 08221W
MATANZAS LOW SIEVE RADAR SITE	2306N 08133W
SAN MIGUEL EW/GCI RADAR SITE	2229N 07953W
CAMAGUEY MILITARY CAMP	2126N 07753W
SANTA CLARA MILITARY ACTIVITY	2220N 07957W
SANTA MARIA DEL ROSARIO VEHICLE PARK	2303N 08215W
CHORRERA DE MANAGUA MILITARY CAMP W	2302N 08219W
LA CHARCA MILITARY ACTIVITY	2246N 08036W
SIGUANEA MILITARY ACTIVITY	2137N 08257W
SPECIAL AREA VERMONT	2301N 08248W
SPECIAL AREA OREGON	2259N 08244W
SPECIAL AREA TEXAS	2302N 08235W
SPECIAL AREA OHIO	2301N 08239W

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